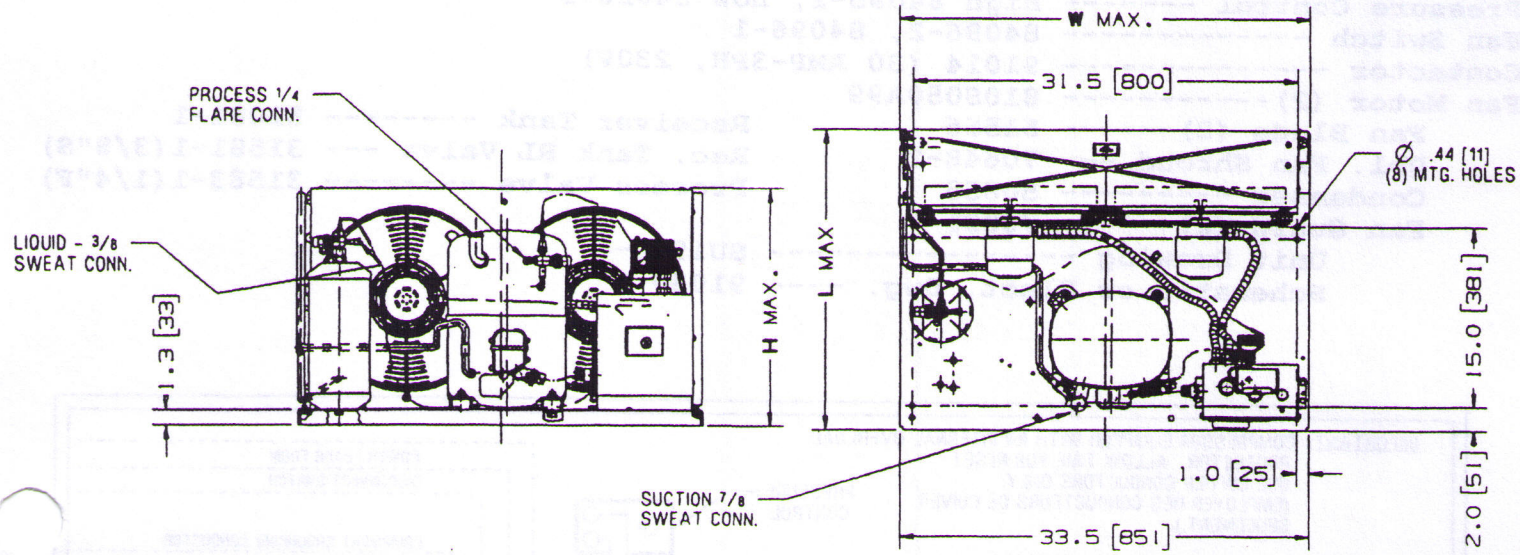
AVA7523ZXTXC
Date: February 17, 2000

TECUMSEH HERMETIC CONDENSING UNITS

MODEL AVA7523ZXTXC **R-404A** **3 HP** **AIR COOLED**



NOTE: DIMENSIONING = INCHES [MILLIMETERS]

Model	Dimensions				*Line Connection		Pumpdown 90 ° F 90% Full	Air CFM	Oil Chg oz.	Gr. Wt. Lbs.
	L	W	H	CH	Suct.	Liq.				
AVA7523ZXTXC	25.0	33.6	19.5	14.6	7/8S	3/8S	11.7#	1800	54	119

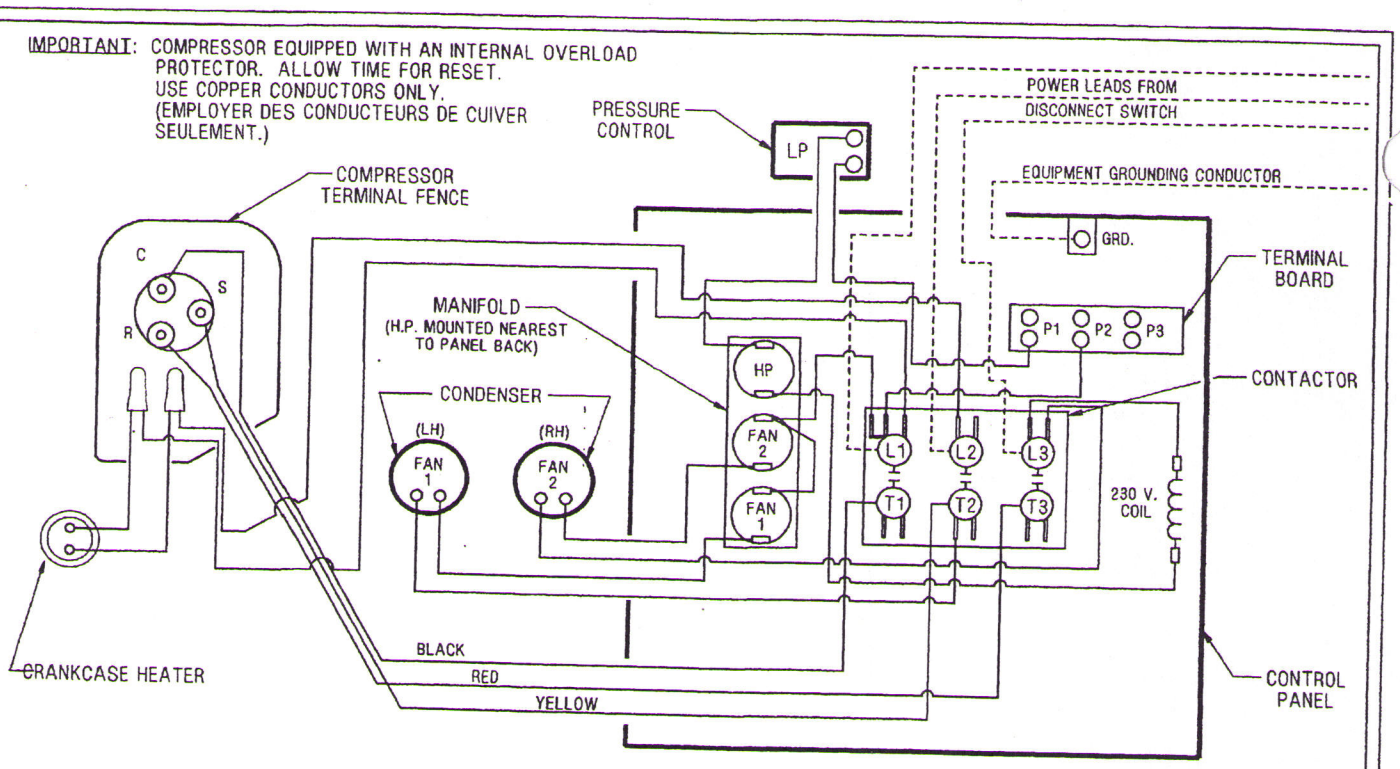
*F=Flare, S=Solder, RF or RS= Rotolock Valve with Flare or Solder Connections
Factory charge: 20 psig nitrogen - **MUST BE EVACUATED** **60 HZ PERFORMANCE**

Approved Evap. Range		Ambient											
		80°F			90° F			100° F			110° F		
°F	PSIG	BTUH	Watts	Head	BTUH	Watts	Head	BTUH	Watts	Head	BTUH	Watts	Head
-10	23.6	13974	2916	237	11958	2894	267	10117	2861	297	8246	3320	331
-5	27.9	15750	3122	246	13633	3121	278	11567	3097	309	9495	3311	343
0	32.6	17608	3336	257	15360	3352	288	13066	3338	320	10785	3308	355
5	37.7	19547	3558	268	17139	3589	299	14613	3586	333	12117	3311	368
10	43.2	21568	3787	280	18971	3830	311	16208	3839	345	13490	3320	380
15	49.1	23671	4023	292	20856	4076	324	17851	4099	358	14904	3337	137
20	55.4	25855	4268	305	22792	4326	337	19542	4365	372	16359	3359	406
25	62.2	28121	4519	319	24781	4581	351	21281	4637	385	17855	3388	419
30	69.6	30469	4778	333	26823	4841	365	23068	4916	399	19393	3424	432

Return gas temp. 40 ° F, 5 ° F subcooling

Date: 2-17-00

SPECIFICATIONS	AVA7523ZXTXC
Nominal Voltage	230/200-60-3
Unit B/M	2B3137-1
Voltage Range	253 to 180
Min. Circuit Ampacity	17.1
Max. Fuse Size (Amps)	25
Compressor Model	AVA7524ZXT
Bill of Material	AV179RT-012
RLA/LRA	11.4/65.1
Fan RLA	1.30
Overload	INTERNAL
Control Panel Assy.	AC1390-6
Pressure Control	High 84095-2, Low 84026-5
Fan Switch	84096-2, 84096-1
Contactor	91014 (30 AMP-3PH, 230V)
Fan Motor (2)	810S050A99
Fan Blade (2)	51556
Dbl. Fan Shroud	70648-2
Condenser	50855
Fan Guard (2)	70831
Unit Drawing	SU1920-4
Schematic or Elect. Dwg.	91030
Receiver Tank	51081-1
Rec. Tank RL Valve	31581-1(3/8"S)
Process Valve	31583-1(1/4"F)



ELECTRICIAN TO MAKE THE FOLLOWING CONNECTIONS ONLY:

1. CONNECT INCOMING POWER LEADS FROM DISCONNECT SWITCH TO L1, L2, & L3 IN CONTROL PANEL CONSISTANT WITH NAMEPLATE VOLTAGE AND FREQUENCY. USE COPPER CONDUCTOR ONLY. (EMPLOYER DES CONDUCTEURS DE CUIVER SEULEMENT.) PROVIDE EQUIPMENT GROUNDING CONDUCTOR. USE 75°C (MIN.) WIRING.
2. CONNECT UNIT CYCLING CONTROL TO P1 AND P2 IN CONTROL PANEL. USE NO. 14 AWG. TO CONTROL. (MIN. 125 VA.)
3. IF UNIT IS TO BE CYCLED ON LOW PRESSURE CONTROL ONLY, PLACE JUMPER ACROSS P1 AND P2 IN CONTROL PANEL.

NOTE: A. CONTACTOR COIL CIRCUIT IS FACTORY CONNECTED TO 230 V. SOURCE IN PANEL AS SHOWN.
B. CONTROLS: LP = LOW PRESSURE CONTROL. HP = HIGH PRESSURE CONTROL.
FAN1 & FAN2 (ON MANIFOLD) = FAN#1 & FAN#2 CONTROLS.

CHG.	PART NO.
A	91030